

Dong-Chan Lee

List of Publications by Year in descending order

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14
papers

112
citations

1478505

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1281871

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14
docs citations

14
times ranked

118
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of a Lithium-Ion Battery for Maximization of Energy Density with Design of Experiments and Micro-genetic Algorithm. International Journal of Precision Engineering and Manufacturing - Green Technology, 2020, 7, 829-836.	4.9	25
2	Optimization for maximum specific energy density of a lithium-ion battery using progressive quadratic response surface method and design of experiments. Scientific Reports, 2020, 10, 15586.	3.3	23
3	Two-way nonlinear mechanical-electrochemical-thermal coupled analysis method to predict thermal runaway of lithium-ion battery cells caused by quasi-static indentation. Journal of Power Sources, 2020, 475, 228678.	7.8	16
4	A mechanical brake hardware-in-the-loop simulation of a railway vehicle that accounts for hysteresis and pneumatic cylinder dynamics. Advances in Mechanical Engineering, 2015, 7, 168781401561608.	1.6	12
5	Detailed Layered Nonlinear Finite Element Analysis for Lithium-Ion Battery Cells to Predict Internal Short Circuits Due to Separator Fractures under Hemisphere Indentation. Journal of the Electrochemical Society, 2020, 167, 120511.	2.9	8
6	Optimization of Lithium-Ion Battery Pouch Cell for Maximization of Energy Density while Preventing Internal Short Circuit Caused by Separator Failure under Crush Load. Journal of the Electrochemical Society, 2021, 168, 030536.	2.9	7
7	The Effect of Tab Attachment Positions and Cell Aspect Ratio on Temperature Difference in Large-Format LIBs Using Design of Experiments. Energies, 2021, 14, 116.	3.1	5
8	Analysis on Dynamics Characteristics of Maglev with Loop Type Linear Synchronous Motor Section Change Algorithm using Electro-Mechanical Co-Simulation. International Journal of Precision Engineering and Manufacturing - Green Technology, 2018, 5, 401-408.	4.9	4
9	Optimal design to reduce torque ripple of IPM motor with radial based function meta-model considering design sensitivity analysis. Journal of Mechanical Science and Technology, 2019, 33, 3955-3961.	1.5	4
10	Load analysis and structural strength evaluation of semi-submersible platform for wind turbines in Jeju Island sea states using hydrodynamic-structure interaction analysis. Journal of Mechanical Science and Technology, 2020, 34, 1227-1235.	1.5	4
11	Metamodel-Based Optimization of a Lithium-Ion Battery Cell for Maximization of Energy Density with Evolutionary Algorithm. Journal of the Electrochemical Society, 2019, 166, A211-A216.	2.9	3
12	A Study on an MR Damper HILS System for a Bus. Journal of Institute of Control, Robotics and Systems, 2017, 23, 109-116.	0.2	1
13	Deterministic Fatigue Damage Evaluation of Semi-submersible Platform for Wind Turbines Using Hydrodynamic-Structure Interaction Analysis. International Journal of Precision Engineering and Manufacturing - Green Technology, 0, , 1.	4.9	0
14	Improved Wheelset Speed Implementation of a Brake HILS System for a Railway Vehicle. Journal of Institute of Control, Robotics and Systems, 2015, 21, 881-887.	0.2	0